

AMENDMENTS TO THE CLAIMS

1-27. (Cancelled)

28. (Currently amended) A ceramic coated fiber, comprising:
(a) a fiber, and
(b) ceramic, coated on the fiber,
wherein the ceramic has a BET surface area of at least 200 m²/g, and
the ceramic comprises at least one member selected from the group
consisting of Al₂O₃, ZrO₂, and MgO, and
the ceramic accounts for 10 to 90% by weight of the ceramic coated
fiber.

29. (Previously Presented) The ceramic coated fiber of claim 28, wherein the
ceramic has a BET surface area of 200 m²/g to 300 m²/g.

30. (Cancelled).

31. (Previously presented) The ceramic coated fiber of claim 28, wherein the
ceramic further comprises silver and/or palladium.

32. (Cancelled)

33. (Previously Presented) The ceramic coated fiber of claim 28, wherein the
ceramic has a BET surface area of 200 m²/g to 2000 m²/g.

34. (Previously Presented) The ceramic coated fiber of claim 28, wherein the
ceramic has a BET surface area of 200 m²/g to 500 m²/g.

35-44. (Cancelled).

45. (Previously Presented) The ceramic coated fiber of claim 28, wherein the
ceramic has a BET surface area of at least 500 m²/g.

46. (Currently amended) A ceramic coated fiber, comprising:
(a) a fiber, and

- (b) ceramic, coated on the fiber,
wherein the ceramic has a BET surface area of at least 200 m²/g, and
the ceramic comprises crystalline ceramic, and
the ceramic comprises 10 to 90% by weight of the ceramic coated fiber.
47. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic comprises TiO₂ and/or TiON having an anatase structure.
48. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic comprises at least one member selected from the group consisting of TiO₂, TiON, TiOS, Al₂O₃, ZrO₂, and MgO.
49. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of 200 m²/g to 300 m²/g.
50. (Canceled).
51. (Previously presented) The ceramic coated fiber of claim 46, further comprising silver and/or palladium.
52. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of 200 m²/g to 2000 m²/g.
53. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of 200 m²/g to 500 m²/g.
54. (Previously presented) The ceramic coated fiber of claim 46, wherein the ceramic has a BET surface area of at least 500 m²/g.